

L-7114QWC-D WHITE

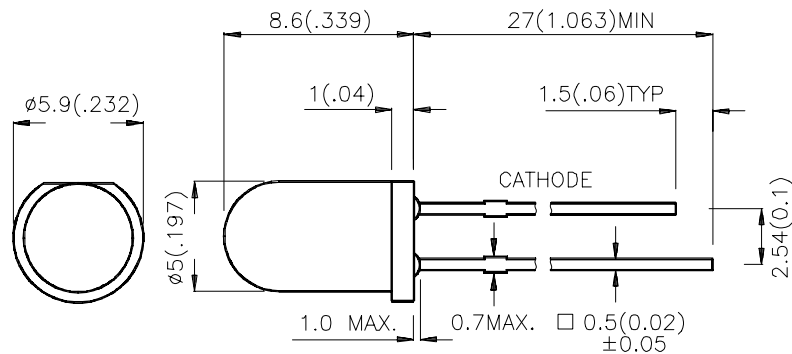
### Features

- HIGH INTENSITY.
- LOW POWER CONSUMPTION.
- POPULAR T-1 3/4 DIAMETER PACKAGE.
- GENERAL PURPOSE LEADS.
- RELIABLE AND RUGGED.
- LONG LIFE - SOLID STATE RELIABILITY.
- AVAILABLE ON TAPE AND REEL.

### Description

The source color devices are made with GaN on SiC Light Emitting Diode.

### Package Dimensions



#### Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25 (0.01)$  unless otherwise noted.
3. Lead spacing is measured where the lead emerge package.
4. Specifications are subject to change without notice.

## Selection Guide

Part No.	Dice	Case-Color	Iv (mcd) @ 20 mA		Viewing Angle
			Min.	Typ.	θ1/2
L-7114QWC-D	WHITE (GaN)	WATER CLEAR	2200	3200	20°

Note:

1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

## Electrical / Optical Characteristics at T<sub>A</sub>=25°C

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
V <sub>F</sub>	Forward Voltage	White	3.5	4.0	V	IF=20mA
I <sub>R</sub>	Reverse Current	White		10	uA	VR = 5V
X	Chromaticity Coordinates	White	0.34			
Y			0.35			
C	Capacitance	White	100		pF	VF=0V; f =1MHz

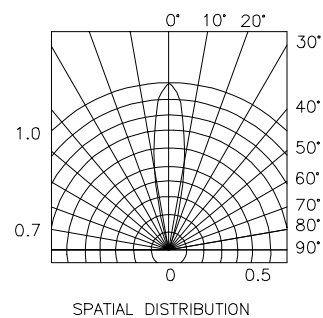
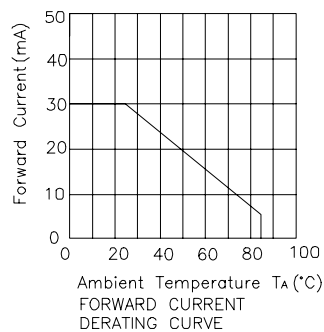
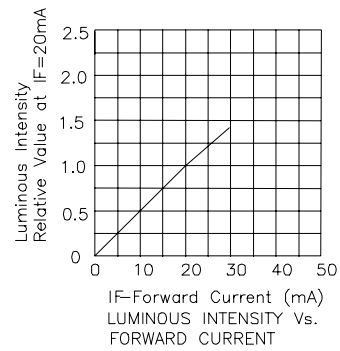
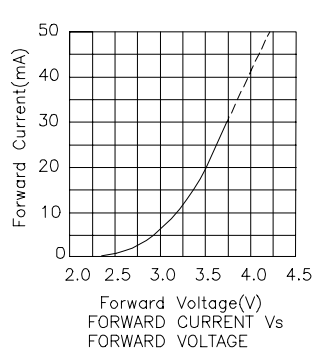
## Absolute Maximum Ratings at T<sub>A</sub>=25°C

Parameter	White	Units
Power dissipation	105	mW
DC Forward Current	30	mA
Peak Forward Current [1]	180	mA
Reverse Voltage	5	V
Operating/Storage Temperature	-40 °C To + 85 °C	
Lead Solder Temperature [2]	260°C For 5 Seconds	

Notes:

1. 1/10 Duty Cycle, 0.1ms Pulse Width.
2. 4mm below package base.

White L-7114QWC-D



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Kingbright:](#)

[L7114QWC/D](#)